The University of Glasgow is partnering with NHS Greater Glasgow & Clyde and industry partners at the Queen Elizabeth University Hospital to lead the development of innovative diagnostics and precision medicine, and deliver research-led training of tomorrow’s doctors.

www.gla.ac.uk/mvls
The University of Glasgow continues this tradition of medical excellence and innovation today. The University’s College of Medical, Veterinary & Life Sciences, is home to one of the largest and most prestigious Medical Schools in Europe, and boasts world leading clinical research across cancer, cardiovascular, infectious and inflammatory diseases.

The University, in partnership with NHS Greater Glasgow & Clyde, has led the development of state of the art teaching and clinical research facilities at the Queen Elizabeth University Hospital totalling more than £70M. These include:

- **A £27M** purpose-built Queen Elizabeth Teaching and Learning Centre for the training of undergraduate medical, nursing and postgraduate students, alongside NHS doctors, nurses and allied health professionals;

- **A £5M** dedicated Clinical Innovation Zone, adopting a multidisciplinary approach and providing access to world-leading clinical academics and clinical research facilities. This accommodates the Stratified Medicine Scotland Innovation Centre, a University of Glasgow-led, Scotland-wide collaboration with industry which is developing ‘precision medicine’ - advanced diagnostics and precise treatments for individuals across a wide range of diseases;

- **A £5M** Clinical Research Facility ensuring the hospital is at the forefront of clinical trials of new medicines in both adult and paediatric medicine;

- **A £32M** Imaging Centre of Excellence (ICE), opening early 2017, which will include a 7 Tesla MRI scanner, an ultra-high resolution scanner which will be the first of its kind fully integrated within a clinical site in the UK, underpinned by world-leading clinical academic expertise in stroke, cardiovascular disease, and brain imaging. Dedicated space in ICE will expand the University’s Clinical Innovation Zone to 22,000 ft².

Ultimately the impact of the University of Glasgow’s partnership with NHS Greater Glasgow and Clyde will extend to all Glasgow citizens through the research-led training of tomorrow’s doctors and the development of innovative diagnostics and medicines.

Professor Dame Anna Dominiczak, Regius Professor of Medicine, Vice Principal and Head of the College of Medical, Veterinary & Life Sciences at the University of Glasgow, said

“What makes this hospital campus so exciting is the ‘triple helix’ partnership between the NHS, University and industry. We have a world-leading University working with a forward-thinking health board and access to some of the brightest and best industry partners on earth.”

Scotland’s first female medical student, Marion Gilchrist, graduated from the University in 1894 and the first ever African American to receive a university medical degree, James McCune Smith, graduated from the University in 1837.

The University’s innovative transformation of medicine dates back to Joseph Lister, who introduced antisepsics whilst he was Regius Professor of Surgery at the University in the 1860s, and to Professor Ian Donald who developed ultrasound in 1958.

The Queen Elizabeth University Hospital showing the University development (highlighted), including Queen Elizabeth Teaching and Learning Centre, Clinical Innovation Zone and Clinical Research Facility.
We are proud to be at the heart of the Queen Elizabeth University Hospital, working in partnership with NHS Greater Glasgow & Clyde to train the doctors of tomorrow in a state-of-the-art clinical environment, and develop innovative medicines and technologies to transform the treatment of patients and prevention of disease.

The Queen Elizabeth Teaching and Learning Centre provides a world class training environment for the clinical years of the undergraduate medical and nursing degrees, and postgraduate students studying health-related disciplines.

The four-storey building houses three floors devoted to learning and teaching, as well as social and public spaces. Key facilities include a 500-seat auditorium conference space, teaching spaces, learning resources centre, a teaching laboratory and clinical skills facilities. The clinical skills facilities are the best in the world and give undergraduate students an unrivalled opportunity to learn and apply clinical skills in a multi professional environment.

The University’s College of Medical, Veterinary and Life Sciences is committed to a research-driven curricula and an innovative approach to teaching.

The Queen Elizabeth Teaching and Learning Centre adds to our dynamic learning environment, providing access to state-of-the-art resources, world-renowned lecturers, and programmes that prepare our graduates for exciting careers across the whole spectrum of the medical sciences.

Professor Dame Anna Dominiczak, Regius Professor of Medicine, Vice-Principal and Head of the College of Medical, Veterinary and Life Sciences: “The Teaching and Learning Centre provides unrivalled facilities for medical students and NHS professionals alike, as well as an excellent base for industry and the Stratified Medicine Scotland – Innovation Centre.”
The Stratified Medicine Scotland Innovation Centre (SMS-IC) is a partnership of Scottish universities and industry, led by the University of Glasgow and based within the Queen Elizabeth Teaching and Learning Centre. It is a world class centre of research, innovation and commercialisation in precision medicine.

By building up an understanding of the ‘strata’ of responses and the genetics of the diseases, medical researchers hope to create more personalised and effective forms of treatment for groups of patients most likely to benefit.

David Sibbald, Chair of SMS-IC: “Precision medicine cannot be executed without collaboration between academia, the NHS and industry. There is a clear need for effective data interpretation to strengthen translational research efforts and ensure successful migration of discoveries from bench to bedside. At Stratified Medicine Scotland, we are delivering a data-driven ‘whole system’ approach to collaborative innovation - a unique response leveraging advances in both technology and clinical academic expertise aimed at advancing precision medicine and its delivery into operational practice.”

Founded in 2007, Scottish SME Aridhia is a world-leading clinical and translational informatics company developing technology and capability that helps transform clinical research into clinical practice.

Chris Roche, CEO of Aridhia: “Aridhia is excited to be working closely with our academic, clinical and commercial partners on these globally significant initiatives. By combining our collective expertise, we can change the way healthcare is delivered while creating economic growth for Scotland.

The intersection of technology and life sciences represents a unique opportunity to enable complex, collaborative and data-driven research projects to innovate at speed. By working together, Aridhia, the University of Glasgow and Stratified Medicine Scotland are supporting the growing needs of translational studies and providing a rich informatics environment for healthcare innovation, research and development.”

Interested to find out more?
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